

Overview & Objectives

- First, qualitative comparison of simultaneous ENA images from Polar and Image
 - We compare the ENA signatures from a series of ring current injections, concentrating on October 4, 2000, 09:39 UT
- Develop quantitative comparison of Polar, Image, and “combined/stereo” ENA images
 - We can determine the source ion distributions using ENA observations from Polar, from Image, or from both spacecraft simultaneously. The results of all three “inversions” can be quantitatively compared.
 - We present the first steps toward this goal by inverting the Polar ENA observations to determine the trapped ion distribution and compare the resulting “synthetic” ENA image with Image ENA observations
 - Quantitative comparison is done for the quiet ring current on October 6 during the recovery phase of this storm

